

Patent
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IN THE CLAIMS:

Please amend claims 1 and 11 and cancel claims 6 and 12 according to the following replacement claim set:

1. (Currently Amended) A method for demolishing concrete that is reinforced by an iron-containing member comprising:

disposing a counter electrode in electroosmotic communication with an exposed surface of the concrete;

coupling the terminals of a power supply to an exposed portion of the iron-containing member and the counter electrode; and

applying ~~[[an]]~~ a constant electrical potential between the iron-containing member and the counter electrode; and

alternating the polarity of the constant electrical potential being applied between the iron-containing member and the counter electrode.

2. (Original) The method of claim 1, further comprising:

supplying an electrolyte solution to the surface of the concrete. (or maybe instead, bring this one up to claim 1 depending on what the JP publication actually discloses in a good translation.)

3. (Original) The method of claim 1, wherein the counter electrode is an iridium-coated titanium mesh.

4. (Original) The method of claim 1, wherein the counter electrode comprises iron.

5. (Original) The method of claim 1, further comprising:

varying the amount of current supplied from the power supply.

6. (Cancelled)

7. (Original) The method of claim 1, wherein the counter electrode is not disposed within the

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concrete.

8. (Original) The method of claim 7, wherein the counter electrode is disposed only on the surface of the concrete.

9. (Original) The method of claim 8, further comprising:
supplying an electrolyte solution to the surface of the concrete.

10. (Original) The method of claim 8, wherein the counter electrode is a metal screen.

11. (Currently Amended) The method of claim [[1]] 8, further comprising:
varying the amount of current supplied from the power supply.

12. (Cancelled)